

DRAINAGE DETAIL SHEET



DRAINAGE STRUCTURES

STATION km + m	STATION km + m	POS.	ASKEW	INLET/OUTLET TYPE		D.I. REHAB CLASS		CLEANING CULVERT L m	PIPE						ALLOWABLE OPTIONS										DEPTH DI m	CONC CL B m ³	REINF STEEL kg	DI GRATE TYPE	CHAN ELEV eo	TRENCH EXCAVATION		COMMON EXCAVATION		CHANNEL EXCAVATION		GEOT FABR m ²	GRAN BK FILL STRUCT m ³	GRAN BORR m ³	EROS MATT m ²	STONE FILL		MARKER POSTS		REMARKS
				INLET	OUTLET	I eo	II eo		D mm	L m	PCCSP mm	CAAP mm	RCP CL	CPEP mm	CPEP SL mm	PCCSP PI mm	PIPE ELBOW NO. DEG	E eo	CB eo	EARTH m ³	ROCK m ³	EARTH m ³	ROCK m ³	EARTH m ³						ROCK m ³	m ³	m ³	m ³	m ²	m ³					TYPE	LT eo	RT eo		
																																											SUBTOTAL	
CDIO+087.6	CDIO+087.6	LT		RCDI	RCDI			450	10	1.7	1.6	III	450	450				2.50	3J	183	E		7																CONSTRUCT A RCDI WITH A COVER AND A TYPE 'E' FRAME & GRATE. INSTALL A 450 mm PIPE TO OUTLET INTO RCDI.					
CDIO+087.6	CDIO+087.6	LT		RCDI	ES			450	8	1.7	1.6	III	450	450				2.90	3.5	160	E		6																CONSTRUCT A RCDI WITH A COVER AND A TYPE 'E' FRAME & GRATE. INSTALL A 450 mm PIPE WITH A STONE PAD AT OUTLET.					
CDIO+112.5	CDIO+087.6	LT		RCDI	RCDI			450	25	1.7	1.6	III	450	450				1.95	2.5	130	E		7																CONSTRUCT A RCDI WITH A PRECAST COVER AND A TYPE 'E' FRAME & GRATE. INSTALL A 450 mm PIPE TO OUTLET INTO RCDI.					
CDIO+119.4	CDIO+119.4	RT		RCDI	ES			300	9	1.7	1.6	III	300	300				1.80	2.3	118	E																		CONSTRUCT A RCDI WITH A COVER AND A TYPE 'E' FRAME & GRATE. INSTALL A 300 mm PIPE WITH A STONE PAD AT OUTLET.					
CDIO+200.0	CDIO+200.0	LT/RT		RCDI	RCDI			450	12	1.7	1.6	III	450	450				1.95	2.5	129	E																		CONSTRUCT A RCDI WITH A COVER AND A TYPE 'E' FRAME & GRATE. INSTALL A 450 mm PIPE TO OUTLET INTO RCDI.					
CDIO+200.0	CDIO+200.0	RT		RCDI	ES			450	7	1.7	1.6	III	450	450				3.20	4.2	169	E																		CONSTRUCT A RCDI WITH A PRECAST COVER AND A TYPE 'E' FRAME & GRATE. INSTALL A 450 mm PIPE WITH A STONE PAD AT OUTLET.					
CDIO+224.0	CDIO+224.0	LT/RT		RCDI	RCDI			450	12	1.7	1.6	III	450	450				2.12	2.8	140	E																		CONSTRUCT A RCDI WITH A COVER AND A TYPE 'E' FRAME & GRATE. INSTALL A 450 mm PIPE WITH A STONE PAD AT OUTLET.					
CDIO+224.0	CDIO+200.0	RT		RCDI	RCDI			450	24	1.7	1.6	III	450	450				1.95	2.5	130	E																		CONSTRUCT A RCDI WITH A COVER AND A TYPE 'E' FRAME & GRATE. INSTALL A 450 mm PIPE TO OUTLET INTO RCDI.					
CDIO+245.0	CDIO+224.0	LT		RCDI	RCDI			450	21	1.7	1.6	III	450	450				1.95	2.5	129	E																		CONSTRUCT A RCDI WITH A COVER AND A TYPE 'E' FRAME & GRATE. INSTALL A 450 mm PIPE TO OUTLET INTO RCDI.					
CDIO+247.0	CDIO+247.0	RT/LT	120°	ES	ES			750	51	2.1	1.6	III	750	750	2.1																							CONSTRUCT A 51m - 750 mm CROSS-CULVERT WITH AN END SECTION AT INLET AND OUTLET.						
60+701.3	60+701.3	RT/LT		RCDI	ES			33.4																														PAYMENT FOR CLEANING CULVERT UNDER ITEM 601.995 (MOD.)						
60+701.4	60+701.3	RT		RCDI	RCDI	I		12.5																														PAYMENT FOR CLEANING CULVERT UNDER ITEM 601.995 (MOD.)						
60+701.5	60+701.4	RT		RCDI	RCDI			5.4																														PAYMENT FOR CLEANING CULVERT UNDER ITEM 601.995 (MOD.)						
60+760.0	60+760.0	LT		RCDI	ES			300	6	1.7	1.6	III	300	300				1.80	2.3	118	D		15															CONSTRUCT A RCDI WITH A COVER AND A TYPE 'D' FRAME & GRATE. INSTALL A 300 mm PIPE WITH A STONE PAD AT OUTLET.						
60+800.0	60+826.0	LT		RCDI	RCDI			450	26	1.7	1.6	III	450	450				1.95	2.5	129	D		41															CONSTRUCT A RCDI WITH A COVER AND A TYPE 'D' FRAME & GRATE. INSTALL A 450 mm PIPE TO OUTLET INTO RCDI.						
60+826.0	60+826.0	LT		RCDI	ES			450	8	1.7	1.6	III	450	450				1.95	2.5	122	D		19																CONSTRUCT A RCDI WITH A COVER AND A TYPE 'D' FRAME & GRATE. INSTALL A 450 mm PIPE TO OUTLET INTO RCDI.					
60+859.4	60+859.4	LT		RCDI	ES			300	9	1.7	1.6	III	300	300				1.80	2.3	118	D																		CONSTRUCT A RCDI WITH A COVER AND A TYPE 'D' FRAME & GRATE. INSTALL A 300 mm PIPE WITH A STONE PAD AT OUTLET.					
60+891.9	60+874.7	LT		RCDI	ES	I		26.5																														PAYMENT FOR CLEANING CULVERT UNDER ITEM 601.995.						
SUBTOTAL								2		26.5/51.3			300		24	24	24	24	24	24																			PROJECT NAME : BENNINGTON - HOOSICK					
										450			153	153	153	153	153																					PROJECT NO. : D.P.I. 0146(1) C/4						
										750			51	51	51	51	51																					DESIGN FILE NAME: /5116/VAOT/DRADET2.DGN						
																																						IPARM FILE NAME: N/A						
																																						SURVEYED BY: N/A						
																																						SQUAD LEADER: T.P.K.						
																																						DWG. NO. DT-3						
																																						PLOT DATE: 9/00						
																																						SURVEY DATE: N/A						
																																						DRAWN BY: E.C.D.						
																																						SHEET: 19 OF 385						

FILE NAME = \\5116\user\contract4\dradet2.dgn
DATE/TIME = 08 SEP 2000
USER = 1159